

Algebra I

Daily Quiz #1

1. Which expression is equivalent to $5(3 - x) + \frac{16x}{4}$?

- (a) $15 - x$
- (b) $-9x + 15$
- (c) $\frac{15 - 11x}{4}$
- (d) $\frac{15 + 21x}{4}$

2. Describe these two lines:

$$y = -3x + 5$$

$$-3y = 9x - 15$$

- (a) Two identical lines
- (b) Two parallel lines
- (c) Two lines that intersect at one point
- (d) Two lines that intersect at two points

3. What is the solution to this system of equations?

$$y = -x + 4$$

$$y + 2x = 10$$

- (a) $(0,4)$
- (b) $(6,-2)$
- (c) no solution
- (d) infinite solutions

4. If $y = mx + b$ what is the x -intercept in terms of m and b ?

- (a) m
- (b) b
- (c) $\frac{b}{m}$
- (d) $-\frac{b}{m}$

5. What is the x -intercept of $4x - 5y = 20$

- (a) -5
- (b) -4
- (c) 4
- (d) 5